

#4/6

Inventor's Docket No. 35800/238853(5800-13B)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Glucksmann et al.
Appl No.: Not Assigned Group Art Unit: Not Assigned
Filed: Concurrently Herewith Examiner: Not Assigned
For: 15625 RECEPTOR, A NOVEL G-PROTEIN COUPLED RECEPTOR

September 26, 2001

Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached is a list of documents on form PTO-1449. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

All items are attached except those that were supplied in parent Application Nos. 09/382,918 filed August 25, 1999 or Application No. 09/187,134, filed November 6, 1998. Since the benefit of these applications was claimed under 35 U.S.C. 120, no copies need to be furnished in accordance with 37 C.F.R. 1.98(d); however, copies will be furnished on request.

Respectfully submitted,

Kathryn L. Coulter
Registration No. 45,889

Customer No. 00826
ALSTON & BIRD LLP
Bank of America Plaza
101 South Tryon Street, Suite 4000
Charlotte, NC 28280-4000
Tel Raleigh Office (919) 862-2200
Fax Raleigh Office (919) 862-2260

CERTIFICATE OF EXPRESS MAIL

"Express Mail" Mailing Label Number EL868637424US
Date of Deposit: September 26, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Box Patent Application, Commissioner for Patents, Washington, DC 20231.

Nora C. Martinez

Substitute for form 1449A/PTO

FEB 10 2005

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	5	Application Number	Not Assigned
				Filing Date	September 26, 2001
				First Named Inventor	Glucksmann <i>et al.</i>
				Group Art Unit	Not Assigned
				Examiner Name	Not Assigned
				Attorney Docket Number	35800/238853(5800-13B)

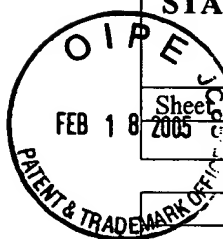
U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
		Number	Kind Code (if known)			
	1	5,538,861		Schneider <i>et al.</i>	07-23-1996	
	2	5,576,296		Bartfai <i>et al.</i>	11-19-1996	
	3	5,756,460		Evans <i>et al.</i>	05-26-1998	
	4	5,763,224		Caras <i>et al.</i>	06-09-1998	
	5	5,789,654		Lowell <i>et al.</i>	08-04-1998	
	6	5,817,679		Shen <i>et al.</i>	10-06-1998	
	7	6,060,272		Li <i>et al.</i>	05-09-2000	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number				
	8		EP 0 787 797 A1	Synaptic Pharmaceutical Corporation	06-08-1997		
	9		EP 0 837 128 A2	Smithkline Beecham Corporation	04-22-1998		
	10		WO 94/01548	Medical Research Council	01-20-1994		
	11		WO 96/39442	Human Genome Sciences, Inc.	12-12-1996		
	12		WO 98/11218	Theodor-Kocher Institute	03-19-1998		
	13		WO 98/15570	Synaptic Pharmaceutical Corporation	04-16-1998		
	14		WO 98/53062	Allelix Biopharmaceuticals, Inc.	11-26-1998		
	15		WO 98/34948	Cornell Research Foundation, Inc.	08-13-1998		
	16		WO 98/45467	Millennium Pharmaceuticals, Inc.	10-15-1998		
	17		WO 98/48016	Incyte Pharmaceuticals, Inc.	10-29-1998		
	18		WO 98/50549	Human Genome Sciences, Inc.	11-12-1998		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Assigned
				Filing Date	September 26, 2001
				First Named Inventor	Glucksmann <i>et al.</i>
				Group Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet 2 of 5	Attorney Docket Number		35800/238853(5800-13B)		



FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Kind Code Number (if known)				
	19		WO 99/06551	Genset	02-11-1999	All	
	20		WO 99/06552	Genset	02-11-1999	All	
	21		WO 99/29849	Incyte Pharmaceuticals, Inc.	06-17-1999		
	22		WO 99/33982	Chiron Corporation	07-08-1999		
	23		WO 99/35106	Allelix Biopharmaceuticals, Inc.	07-15-1999		
	24		WO 99/38972	Chiron Corporation	08-05-1999		
	25		WO 99/40100	Human Genome Sciences, Inc.	08-12-1999		
	26		WO 99/42582	Smithkline Beecham Corporation	08-26-1999		
	27		WO 99/46378	Yamanouchi Pharmaceutical Co., Ltd..	09-16-1999		No
	28		WO 99/55733	Smithkline Beecham Corporation	11-04-1999		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	29	AKBAR <i>et al.</i> , "Molecular Cloning of a Novel P2 Purinoceptor from Human Erythroleukemia Cells," <i>J. Biol. Chem.</i> (August 2, 1996), pp. 18363-18367, Vol. 271, No. 31.	
	30	AN <i>et al.</i> , "Molecular Cloning of the Human Edg2 Protein and Its Identification as a Functional Cellular Receptor for Lysophosphatidic Acid," <i>Biochemical and Biophysical Research Communications</i> (February 24, 1997), pp. 619-622, Vol. 231, No. 3.	
	31	AN <i>et al.</i> , "Identification of cDNAs Encoding Two G Protein-Coupled Receptors for Lysosphingolipids," <i>FEBS Lett.</i> (1997), pp. 279-282, Vol. 417, No. 3.	
	32	AN <i>et al.</i> , "Characterization of a Novel Subtype of Human G Protein-coupled Receptor for Lysophosphatidic Acid," <i>J. Biol. Chem.</i> (April 3, 1998), pp. 7906-7910, Vol. 273, No. 14.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

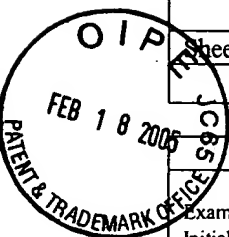
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 5

Complete if Known

Application Number	Not Assigned
Filing Date	September 26, 2001
First Named Inventor	Glucksmann <i>et al.</i>
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	35800/238853(5800-13B)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	33	BOWLES, <i>et al.</i> , "Gene Mapping of Familial Autosomal Dominant Dilated Cardiomyopathy to Chromosome 10q21-23," <i>J. Clin. Invest.</i> (September 1996), pp. 1355-1360, Vol. 98, No. 6.	
	34	EVA <i>et al.</i> , "Molecular Cloning of a Novel G Protein-Coupled Receptor That May Belong to the Neuropeptide Receptor Family," <i>FEBS Lett.</i> (October 1990), pp. 81-84, Vol. 271, Nos. 1, 2.	
	35	FUKUSHIMA <i>et al.</i> , "A Single Receptor Encoded by <i>vzg-1/lpa1/edg-2</i> Couples to G Proteins and Mediates Multiple Cellular Responses to Lysophosphatidic Acid," <i>Proc. Natl. Acad. Sci. USA</i> (May 1998), pp. 6151-6156, Vol. 95, No. 11.	
	36	GERARD <i>et al.</i> , "The Chemotactic Receptor for Human C5a Anaphylatoxin," <i>Nature</i> (February 14, 1991), pp. 614-617, Vol. 349.	
	37	GUO <i>et al.</i> , "Molecular Cloning of a High-Affinity Receptor for the Growth Factor-Like Lipid Mediator Lysophosphatidic Acid from <i>Xenopus</i> Oocytes," <i>Proc. Natl. Acad. Sci. USA</i> (December 1996), pp. 14367-14372, Vol. 93, No. 25.	
	38	HLA <i>et al.</i> , "An Abundant Transcript Induced in Differentiating Human Endothelial Cells Encodes a Polypeptide with Structural Similarities to G-Protein-Coupled Receptors," <i>J. Biol. Chem.</i> (June 5, 1990), pp. 9308-9313, Vol. 265, No. 16.	
	39	ISHIHARA <i>et al.</i> , "Protease-Activated Receptor 3 is a Second Thrombin Receptor in Humans," <i>Nature</i> (April 3, 1997), pp. 502-506, Vol. 386.	
	40	LEE <i>et al.</i> , "Lysophosphatidic Acid Stimulates the G-Protein-Coupled Receptor EDG-1 as a Low Affinity Agonist," <i>J. Biol. Chem.</i> (August 21, 1998), pp. 22105-22112, Vol. 273, No. 34.	
	41	LEE <i>et al.</i> , "Molecular Biology of G-Protein-Coupled Receptors," <i>Trends in Biomedical Research</i> (September 1993), pp. 488-497, Vol. 6, No. 7.	
	42	LIEBERT <i>et al.</i> , "Selective Amplification and Cloning of Four New Members of the G Protein-Coupled Receptor Family," <i>Science</i> (May 5, 1989), pp. 569-572, Vol. 244.	
	43	MEYERHOF <i>et al.</i> , "Molecular Cloning of a Novel Putative G-Protein Coupled Receptor Expressed During Rat Spermiogenesis," <i>FEBS Lett.</i> (June 1991), pp. 155-160, Vol. 284, No. 2.	
	44	MILLS <i>et al.</i> , "Orphan Seven Transmembrane Domain Receptors: Reversing Pharmacology," <i>Trends in Biotechnology</i> (February 1994), pp. 47-49, Vol. 12.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4 of 5

Complete if Known

Application Number	Not Assigned
Filing Date	September 26, 2001
First Named Inventor	Glucksmann <i>et al.</i>
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	35800/238853(5800-13B)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	45	O'DOWD <i>et al.</i> , "Discovery of Three Novel G-Protein-Coupled Receptor Genes," <i>Genomics</i> (1998), pp. 310-313, Vol. 47.	
	46	OLIVEIRA <i>et al.</i> , "A Common Motif in G-Protein-Coupled Seven Transmembrane Helix Receptors," <i>Journal of Computer-Aided Molecular Design</i> (1993), pp. 649-658, Vol. 7.	
	47	ROSS <i>et al.</i> , "RTA, a Candidate G Protein-Coupled Receptor: Cloning, Sequencing, and Tissue Distribution," <i>Proc. Natl. Acad. Sci. USA</i> (April 1990), pp. 3052-3056, Vol. 87, No. 8.	
	48	SCOTT <i>et al.</i> , "Searching for Peptide Ligands with an Epitope Library," <i>Science</i> (July 27, 1990), pp. 386-390, Vol. 249.	
	49	SKOLNICK <i>et al.</i> , From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era," <i>Trends in Biotechnology</i> , 2000, pp. 34-39 Vol. 18, No. 1	
	50	STADEL <i>et al.</i> , "Orphan G Protein-Coupled Receptors: A Neglected Opportunity for Pioneer Drug Discovery," <i>TIPS</i> (November 1997), pp. 430-437, Vol. 18.	
	51	TAKADA <i>et al.</i> , "Cloning of cDNAs Encoding G Protein-Coupled Receptor Expressed in Human Endothelial Cells Exposed to Fluid Shear Stress," <i>Biochem. Biophys. Res. Commun.</i> (November 26, 1997), pp. 737-741, Vol. 240, No. 3.	
	52	VU <i>et al.</i> , "Molecular Cloning of a Functional Thrombin Receptor Reveals a Novel Proteolytic Mechanism of Receptor Activation," <i>Cell</i> (March 22, 1991), pp. 1057-1068, Vol. 64	
	53	YOKOMIZO <i>et al.</i> , "A G-Protein-Coupled Receptor for Leukotriene B ₄ That Mediates Chemotaxis," <i>Nature</i> (June 5, 1997), pp. 620-624, Vol. 287.	
	54	ZONDAG <i>et al.</i> , "Sphingosine 1-Phosphate Signalling Through the G-Protein-Coupled Receptor Edg-1," <i>Biochem. J.</i> (1998), pp. 605-609, Vol. 330, Part 2.	
	55	Sequence XP002133577 - Database EMBL 'Online!', EBI, Hinxton, UK, AC: AA274112, 29 March 1997, MARRA <i>et al.</i> , "The WashU-HHMI Mouse EST Project"	
	56	Sequence XP001233578 - Database EMBL 'Online!', EBI, Hinxton, UK, AC: AA447306, 7 April 1998, NELSON <i>et al.</i> , "An Expressed Sequence-Tag-Database of the Human prostate: sequence analysis of 1168 cDNA Clones"	

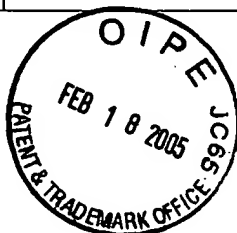
Examiner
SignatureDate
Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Assigned
				Filing Date	September 26, 2001
				First Named Inventor	Glucksmann <i>et al.</i>
				Group Art Unit	Not Assigned
Examiner Name	Not Assigned				
Sheet	5	of	5	Attorney Docket Number	35800/238853(5800-13B)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	57	BLAST Searches in Swiss Prot, GenBank, Dbest and Patents Databases	

RTA01/2104092v1



Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.